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16076 U.S.PTO

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	CH2M.45
First Inventor	MILLER
Title	HORIZONTAL BORE CRYOGENIC DRILLING METHOD
Express Mail Label No.	EV303489820US

202904 US PTO
0/774678**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 18]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 8]
5. Oath or Declaration [Total Sheets 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:
 Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria VA 22313-1450

7. Assignee: CH2M HILL, Inc. and Ruekert & Mielke, Inc.
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of
(when there is an assignee) Attorney
11. English Translation Document (*if applicable*)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.:

Prior application information: Examiner _____ Art Unit: _____
 For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
 The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS
 Customer Number: 25871 OR Correspondence address below

Name			
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	James L. Brown	Registration No. (Attorney/Agent)	48,576
Signature	[Signature]		
Date	Feb. 9, 2004		

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2003		Complete if Known	
		Application Number	
		Filing Date	
		First Named Inventor	MILLER
		Examiner Name	
		Art Unit	
		Attorney Docket No.	CH2M.45
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
TOTAL AMOUNT OF PAYMENT		(\$) 810	

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																	
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number 19-5117 Deposit Account Name Swanson & Bratschun LLC		3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity</th> <th style="text-align: left;">Small Entity</th> <th style="text-align: center;">Fee Description</th> <th style="text-align: center;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>2051</td><td>65 Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>2052</td><td>25 Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>1053</td><td>130 Non-English specification</td><td></td></tr> <tr><td>1812</td><td>1812</td><td>2,520 For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>1804</td><td>1804</td><td>920* Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1,840* Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>2251</td><td>55 Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>2252</td><td>205 Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>2253</td><td>465 Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>2254</td><td>725 Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2255</td><td>985 Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>2401</td><td>160 Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>2402</td><td>160 Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>2403</td><td>140 Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1,510 Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>2452</td><td>55 Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,300</td><td>650 Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>2501</td><td>650 Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>2502</td><td>235 Design issue fee</td><td></td></tr> <tr><td>1503</td><td>2503</td><td>315 Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>1460</td><td>130 Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>1807</td><td>50 Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>1806</td><td>180 Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>8021</td><td>40 Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td>1809</td><td>2809</td><td>375 Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>2810</td><td>375 For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>2801</td><td>375 Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>1802</td><td>900 Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr><td colspan="4">*Reduced by Basic Filing Fee Paid</td></tr> <tr> <td colspan="2">SUBTOTAL (1)</td> <td colspan="2">(\$) 770</td> </tr> <tr> <td colspan="4"> Total Claims 19 -20** = 0 X = 0 Independent Claims 2 - 3** = 0 X = 0 Multiple Dependent = 0 </td> </tr> <tr> <td colspan="2">SUBTOTAL (2)</td> <td colspan="2">(\$) 0</td> </tr> <tr> <td colspan="4">**or number previously paid, if greater; 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SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	James L. Brown	Registration No. (Attorney/Agent)	48,576
Signature	Feb. 9, 2004		

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